

## EXPRESS TERMS

### ITEM 14-1

#### CHAPTER 1 - Administration

*Model Code Adoption/Repeal: DSA-SS adopts only those sections listed below.*

##### 101.0 Title

**101.1 [For DSA-SS]** These regulations shall be known as the "California Mechanical Code," which incorporates the 2000 2003 revisions, copyrighted by the International Association of Plumbing and Mechanical Officials, to the Uniform Mechanical Code, may be cited as such, and will be referred to herein as "this code."

##### 102.0 Purpose

The purpose of this code is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation, and maintenance or use of heating, ventilating, cooling, refrigeration systems, incinerators and other miscellaneous heat-producing appliances within this jurisdiction [For DSA-SS] for the State of California.

The purpose of this code is not to create or otherwise establish or designate any particular class or group of persons who will or should be especially protected or benefited by the terms of this code.

##### 103.0 Scope

**103.1 Applicability.** The provisions of this code shall apply to the erection, installation, alteration, repair, relocation, replacement, addition to, use or maintenance of any heating, ventilating, cooling, refrigeration systems, incinerators or other miscellaneous heat-producing appliances within this jurisdiction [For DSA-SS] for the State of California.

Additions, alterations, repairs and replacement of equipment or systems shall comply with the provisions for new equipment and systems, except as otherwise provided in Section 104.0 of this code.

Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable.

The design and testing of equipment regulated by this code shall be subject to the approval of the Authority Having Jurisdiction [For DSA-SS] enforcing agency provided in Section 108.1.1.

The standards contained in Appendix A shall be considered as a part of this code. Appendix B and C contain recommended practices that shall not apply unless specifically adopted. Appendix D contains conversion tables and a table for determining the approximate minimum thickness for carbon sheet steel.

##### 103.1.1. Effective Date.

**103.1.1.1. [For DSA-SS]** Unless otherwise noted herein, effective date is 180 days after the date of publication.

**103.1.5 [For DSA-SS] Non-Building Regulations.** Requirements contained in the U.M.C. or in any other reference standard, code, or documents, which are not building standards as defined in Health and Safety Code Section 18909, shall not be construed as part of the provisions of this code.

~~**105.2 [For DSA-SS] Order of Precedence.** Where in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. When there is a conflict between a general and specific requirement, the specific requirement shall apply.~~

Mechanical standards in the code shall have no retroactive or retrospective effect or application on existing construction unless the term and time of application of such standards are specifically identified or specified in this code.

**108.1.1.11 [For DSA - SS] Division of the State Architect - Structural Safety**

*Application - Public elementary and secondary schools, community college buildings, and state-owned or state-leased essential services buildings.*

*Enforcing Agency - DSA - SS*

*Authority Cited - Education Code § 17310 and 81142, and H&S Code §16022.*

*Reference - Education Code §§ 17280 through 17317, and 81130 through 81147, and H&S Code §§16000 through 16023.*

*The Division of the State Architect has been delegated the responsibility and authority by the Department of General Services to review and approve the design and observe the construction of public school buildings, and state-owned or state-leased essential services buildings.*

*The applicable building standards are as follows:*

**1. Administrative Regulations.**

- 1.1 School Buildings; Sections 4-301 through 4-355, Group 1, Chapter 4, Part 1, Title 24, California Code of Regulations.
- 1.2 State-owned or State-leased Essential Services Buildings; Sections 4-201 through 4-249, Chapter 4, Part 1, Title 24, California Code of Regulations.

**2. Technical Regulations.**

*Various model codes adopted by reference into the California Building Standards Code, Title 24, Parts 2, 3, 4, 5, 6, 7, 12, California Code of Regulations, for school buildings, and state-owned or state-leased essential services buildings.*

*The Division of the State Architect, in the performance of its duties, coordinates with other state offices as follows:*

- 2.1 California Building Standards Commission
- 2.2 Office of Statewide Health Planning and Development
- 2.3 Office of the State Fire Marshal
- 2.4 Real Estate Services Division
- 2.5 Office of Public School Construction

**119.0 Format [For DSA-SS]** *This part fundamentally adopts the UMC by reference on a chapter-by-chapter basis. Such adoption is reflected in the adoption table of each chapter of this part. When the adoption table of a chapter of this part makes no reference to a specific chapter of the UMC, such chapter of the UMC is not adopted as a portion of this code.*

**120.0 Validity [For DSA-SS]** *If any chapter section, subsection, sentence, clause or phrase of this code is for any reason held to be unconstitutional, contrary to statute, exceeding the authority of the state as stipulated by statutes, or otherwise inoperative, such decision shall not affect the validity of the remaining portion of this code.*

**121.0 Standard Reference Documents**

**121.1 [For DSA-SS]** *The codes, standards and publications adopted and set forth in this code, including other codes, standards and publications referred to therein are, by title and date of publication, hereby adopted as standard reference documents of this code.*

**Notation**

Authority: Education Code Sections 17310, 81142; Health & Safety Code Section 16022

Reference(s): Education Code Sections 17280 - 17317, and 811130 - 81149; Health & Safety Code Sections 16000 – 16023

**ITEM 14-1 – Committee Recommendations**

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(END OF ITEM)

## ITEM 14-2

### CHAPTER 2 - Definitions

*Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 2 (Definitions), and adopt entire 2003 edition UMC Chapter 2 as amended (amended sections listed below).*

#### 203.0 -A-

**AUTHORITY HAVING JURISDICTION.** The organization, office, or individual responsible for enforcing the requirements of a code or standard, or for approving equipment, materials, installations, or procedures. The Authority Having Jurisdiction shall be a federal, state, local, or other regional department or an individual such as a plumbing official, mechanical official, labor department official, health department official, building official, or others having statutory authority. In the absence of a statutory authority, the authority having jurisdiction may be some other responsible party. This definition shall include the authority having jurisdiction's duly authorized representative. **[For DSA-SS]** See enforcing agency.

#### 204.0 -B-

**BUILDING CODE** is the building code that is adopted by this jurisdiction. **[For DSA - SS]** For purpose of the California Mechanical Code, "Building Code" shall be the most recent edition of the California Building Code.

**BUILDING OFFICIAL.** See authority having jurisdiction. **[For DSA - SS]** For the State of California, "Building Official" shall be the "enforcing Agency" as specified in Section 108.

#### 207.0 -E-

**Enforcing Agency** **[For DSA - SS]** is the designated department or agency as specified in statutes to enforce the specific building standards promulgated or adopted by the specified state agency.

#### 215.0 -M-

**Machinery Room** **[For DSA - SS]** is a room in which a refrigeration system is permanently installed and operated but not including evaporators located in a cold storage room, refrigerator box, air-cooled space or other enclosed space. Closets solely contained within, and opening only into, a room shall not be considered machinery rooms, but shall be considered a part of the machinery rooms in which they are contained or open into. It is not the intent of this definition to cause the space in which unit or self-contained systems of Group I refrigerants are located to be classified as machinery rooms.

#### 217.0 -O-

**OCCUPANCY CLASSIFICATION** **[For DSA - SS]** Shall be those as shown in the California Building Code, for the purpose of this code, certain occupancies are defined as follows...

#### 223.0 -U-

**UMC** **[For DSA - SS]** is the most recent edition of the Uniform Mechanical Code published by the International Association of Plumbing and Mechanical Officials.

**UMC STANDARDS** **[For DSA - SS]** are the Uniform Mechanical Code Standards included in Appendix A of the most recent edition of the Uniform Mechanical Code published by the International Association of Plumbing and Mechanical Officials.

### CHAPTER 3 - General Requirements

*Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 3 (General Requirements), and adopt entire 2003 edition UMC Chapter 3 as amended (amended sections listed below).*

**304.4.1 Anchorage and Support.** **[For DSA - SS]** The anchorage and supporting structural elements for warm-air furnaces and heating systems, when installed in public schools, community colleges, state-owned and state-leased essential services buildings shall be designed to withstand lateral forces as required by the California Building Code.

### CHAPTER 4 - Ventilation Air Supply

*Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 4 (Ventilation Air Supply), and adopt entire 2003 edition UMC Chapter 4 without amendment.*

## CHAPTER 5 - Exhaust Systems

*Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 5 (Exhaust Systems), and adopt entire 2003 edition UMC Chapter 5 as amended (amended sections listed below).*

**505.1.1 Anchorage and Support [For DSA - SS]** The anchorage and supporting structural elements for ventilation and product-conveying systems, when installed in public schools, community colleges, state-owned or state-leased essential services buildings, shall be designed to withstand the lateral forces as required by the California Building Code, Title 24, Part 2.

## CHAPTER 6 - Duct Systems

*Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 6 (Duct Systems), and adopt entire 2003 edition UMC Chapter 6 as amended (amended sections listed below).*

**605.3 [For DSA - SS]** Cold-air ducts shall be insulated wherever necessary or to prevent condensation problems.

## CHAPTER 7 - Combustion Air

*Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 7 (Combustion Air), and adopt entire 2003 edition UMC Chapter 7 without amendment.*

## CHAPTER 8 - Chimneys and Vents

*Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 8 (Chimneys and Vents), and adopt entire 2003 edition UMC Chapter 8 without amendment.*

## CHAPTER 9 - Installation of Specific Equipment

*Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 9 (Special Fuel-Burning and Energy-Utilizing Equipment), and adopt entire 2003 edition UMC Chapter 9 without amendment.*

## CHAPTER 10 - Steam and Hot Water Boilers

*Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 10 (Steam and Hot Water Boilers), and adopt entire 2003 edition UMC Chapter 10 without amendment.*

## CHAPTER 11 - Refrigeration

*Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 11 (Refrigeration), and adopt entire 2000 edition UMC Chapter 11 as amended (amended sections listed below).*

**1106.2.1 Anchorage and Support for Refrigeration Equipment and Cooling Towers. [For DSA - SS]** The anchorage and supporting structural elements for refrigeration equipment and cooling towers, when installed in public school buildings, community colleges, state-owned or state-leased essential services buildings shall be designed to withstand the lateral forces as required by the California Building Code, Title 24, Part 2.

## CHAPTER 12 - Hydronics

*Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 12 (Hydronics), and adopt entire 2003 edition UMC Chapter 12 as amended (amended sections listed below).*

**1201.2.6.3 Anchorage and Support. [For DSA - SS]** The anchorage and supporting structural elements for steam and water piping systems, when installed in public school buildings, community colleges, state-owned or state-leased essential services buildings shall be designed to withstand the lateral forces as required by the California Building Code, Title 24, Part 2.

## CHAPTER 13 - Fuel Piping

*Model Code Adoption/Repeal: Adopt entire 2003 edition UMC Chapter 13 without amendment.*

## CHAPTER 14 - Process Piping

*Model Code Adoption/Repeal: Adopt entire 2003 edition UMC Chapter 14 without amendment.*

## CHAPTER 15 - Solar Systems

*Model Code Adoption/Repeal: Adopt entire 2003 edition UMC Chapter 15 without amendment.*

## CHAPTER 16 - Stationary Fuel Cell Power Plants

*Model Code Adoption/Repeal: Adopt entire 2003 edition UMC Chapter 16 without amendment.*

## CHAPTER 17 - Standards

*Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 16 (Standards), and adopt entire 2003 edition UMC Chapter 17 without amendment.*

## APPENDIX A - Uniform Mechanical Code Standards 6-2 and 6-5

*Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Appendix A (Uniform Mechanical Code Standards), and adopt entire 2003 edition UMC Appendix A without amendment.*

## APPENDIX B - Procedures to be Followed to Place Gas Equipment in Operation

*Model Adoption/Repeal: Appendix B is not adopted.*

## APPENDIX C - Installation and Testing of Oil (Liquid) Fuel-Fired Equipment

*Model Code Adoption/Repeal: Appendix C is not adopted. Repeal entire 2000 edition UMC Appendix C (Sizing of Venting Systems Serving Appliances Equipped with Draft Hoods Appliances Listed for Use with Type B Vents).*

## APPENDIX D - Unit Conversion Tables

*Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Appendix D (Unit Conversion Tables), and adopt entire 2003 edition UMC Appendix D without amendments.*

### Notation

Authority: Education Code Sections 17310, 81142; Health & Safety Code Section 16022

Reference(s): Education Code Sections 17280 - 17317, and 811130 - 81149; Health & Safety Code Sections 16000 – 16023

### ITEM 14-2 – Committee Recommendations

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(END OF ITEM)

## INITIAL STATEMENT OF REASONS

### STATEMENT OF SPECIFIC PURPOSE AND RATIONALE FOR PROPOSED CHANGES

(Existing Amendments with Proposed Changes or Repeal)

#### CHAPTER 1

*Section 101.1* - California amendment edited to denote adoption of the 2003 edition UMC.

*Section 105.2* - California amendment language regarding order of precedence is repealed, as this language is contained within Section 103.1 (third paragraph) of the adopted model code (UMC).

#### CHAPTER 2

*Section 203.0* - Add current (2001 CMC) amendment language referencing the state agency term “enforcing agency” to the definition of *Authority Having Jurisdiction*. Current amendment is applicable to 2000 edition UMC definition for *Administrative Authority*, which has been replaced with the term “*Authority Having Jurisdiction*” in the 2003 edition UMC.

#### **TECHNICAL, THEORETICAL, AND EMPIRICAL STUDY, REPORT, OR SIMILAR DOCUMENTS**

No technical, theoretical, or empirical studies or reports were used, as proposed changes are editorial only.

#### **CONSIDERATION OF RESONABLE ALTERNATIVES**

Proposed action consists of editorial changes only, so no alternatives were considered.

#### **REASONABLE ALTERNATIVES THE AGENCY HAS IDENTIFIED THAT WOULD LESSEN ANY ADVERSE IMPACT ON SMALL BUSINESS**

The Division of the State Architect has not identified any alternatives to these proposed editorial changes, and no adverse impact to small business due to these proposed editorial changes is expected.

#### **FACTS, EVIDENCE, DOCUMENTS, TESTIMONY, OR OTHER EVIDENCE OF NO SIGNIFICANT ADVERSE ECONOMIC IMPACT ON BUSINESS**

The Division of the State Architect does not expect these proposed editorial changes to pose any adverse economic impact on business.

#### **DUPLICATION OR CONFLICTS WITH FEDERAL REGULATIONS**

The proposed regulations do not duplicate or conflict with federal regulations.